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Mark B. Quatt

Mark B. Quatt, Registration No. 30,484

3-11-04

Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Barmore et al.

Serial No.: 10/719,625

Filing Date: November 21, 2003

Title: OXYGEN DETECTION SYSTEM FOR A RIGID CONTAINER

Atty. Docket No: D-43664-01

Group Art Unit: To be assigned

Examiner: To be assigned

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56 and in accordance with 37 CFR §1.97 et. seq., applicants, through and by their attorney, hereby direct the Examiner's attention to the documents enclosed.

A Form PTO/SB/08A, Information Disclosure Statement by Applicant, listing the cited references is attached. A copy of each non-patent literature document or foreign patent document is enclosed.

Concise Explanation of Relevance

Some of the attached references are in the Japanese language, and in those instances are accompanied by an English language abstract of each respective reference. These English language abstracts are offered as a concise explanation of the relevance of the respective document, in conformance with 37 C.F.R. §1.98(a)(3)(i).

This IDS is being submitted under 37 C.F.R. §1.97 (b)(3), and therefore no fee is required. However, if any fees are deemed due, please charge same to Deposit Account No. 07-1765.

Respectfully submitted,

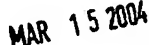
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3-11-04

Date

**Complete if Known**

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Attorney Docket Number

D-43664-01

Examiner Initials ¹	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1.	US-	5,686,161	11/1997	Cullen et al.	
	2.	US-	4,820,606	04/1989	Miyasaka et al.	
	3.	US-	5,744,246	04/1998	Ching	
	4.	US-	5,529,833	06/1996	Speer et al.	
	5.	US-	5,358,876	10/1994	Inoue et al.	
	6.	US-	5,043,286	08/1991	Khalil et al.	
	7.	US-	6,139,799	10/2000	Kimball et al.	
	8.	US-	5,298,310	03/1994	Havens	
	9.	US-	5,439,648	08/08/1995	Balderson et al.	
	10.	US-	5,617,812	04/08/1997	Balderson et al.	
	11.	US-	5,849,594	12/15/1998	Balderson et al.	
	12.	US-	6,190,612 B1	02/20/2001	Berger et al.	
	13.	US-	2003/0008400 A1	01/09/2003	Putnam et al.	
	14.	US-	4,810,655	03/07/1989	Khalil et al.	
	15.	US-	5,043,286	08/27/1991	Khalil et al.	
	16.	US-	5,110,530	05/05/1992	Havens	
	17.	US-	5,211,875	05/18/1993	Speer et al.	
	18.	US-	5,316,949	05/31/1994	Bull et al.	
	19.	US-	5,310,497	05/10/1994	Ve Speer et al.	
	20.	US-	5,350,622	09/27/1994	Speer et al.	

[illegible]Date
Considered

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known		
Application Number		10/719625				
Filing Date		November 21, 2003				
First Named Inventor		Charles R. Barmore				
Art Unit		Not yet assigned				
Examiner Name		Not yet assigned				
Attorney Docket Number		D-43664-01				
Sheet	2	of	3			

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² <i>(if known)</i>			
	21.	US-	5,483,819	01/16/1996	Barmore et al.	
	22.	US-	5,529,833	06/25/1996	Speer et al.	
	23.	US-	5,583,047	12/10/1996	Blinka et al.	
	24.	US-	5,904,960	05/18/1999	Becraft et al.	
	25.	US-	5,911,910	06/15/1999	Becraft et al.	
	26.	US-	5,993,922	11/30/1999	Babrowicz et al.	
	27.	US-	6,233,907 B1	05/22/2001	Cook, Jr. et al.	
	28.	US-	6,287,481	09/11/2001	Luthra et al.	
	29.	US-	6,297,508 B1	10/02/2001	Barmore et al.	
	30.	US-	5,863,460	01/26/1999	Slovacek et al.	
	31.	US-	6,015,715	01/18/2000	Kirschner et al.	
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FOREIGN PATENT DOCUMENTS								
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Office ³	Number ⁴	Kind ⁵ <i>(if known)</i>				

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known		
	Application Number	10/719625			
	Filing Date	November 21, 2003			
	First Named Inventor	Charles R. Barmore			
	Art Unit	Not yet assigned			
	Examiner Name	Not yet assigned			
Sheet	3	of	3	Attorney Docket Number	D-43664-01

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1.	"A Novel Solid-State Oxygen Sensor", <u>Johns Hopkins APL Technical Digest</u> , Volume 17, Number 4 (1996), Pages 377-385.	
	2.	"Effects of Polymer Matrices on the Time-Resolved Luminescence of a Ruthenium Complex Quenched by Oxygen", <u>Journal of Physical Chemistry</u> , 1995, 99, Pages 3162-3167.	
	3.	"Photophysics and Photochemistry of Oxygen Sensors Based on Luminescent Transition-Metal Complexes", <u>Analytical Chemistry</u> 1991, Volume 63, Pages 337-342.	
	4.	"Determination of Oxygen Concentrations by Luminescence Quenching of a Polymer-Immobilized Transition-Metal Complex", <u>Analytical Chemistry</u> , 1987, Volume 59, Pages 2780-2785.	
	5.	"Monitoring - Non-invasive method for determining oxygen in food packaging", <u>Food, Cosmetics and Drug Packaging</u> , June 2000, 2 pages	
	6.	English abstract of JP 2003307513A dated 10/31/2003 entitled "Oxygen indicator for packaging bag, includes ink applied to base, and sealant layer provided on the base through adhesive agent, such that adhesive agent is not formed on ink portion of base", Toppan Printing Co. Ltd.	
	7.	Plastics Applications/PET Bottles with Oxygen Scavenger, <u>Plastics Engineering</u> , August 2003, page 16.	

Examiner Signature		Date Considered	
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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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